

AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions of claims in the application.

1. (Cancelled).

2. (Cancelled).

3. (Currently Amended): A method of manufacturing polarizer, comprising the steps of:

dyeing a polyvinyl alcohol-based film with iodine;

uniaxially stretching the iodine-dyed polyvinyl alcohol-based film in an aqueous boric acid solution containing an iodide at a concentration of ~~4% by weight or more~~ 4 to 12% by weight; and

subsequently washing the film with an aqueous solution containing an iodide at a concentration of ~~0.8% by weight or more~~ 0.8 to 2.5% by weight;

wherein the resulting polarizer has a single transmittance of 43% or more, a polarizing efficiency of 99.9% or more, and

a dichroic ratio of 30 or more, wherein the dichroic ratio is calculated from a parallel transmittance (Tp) and a crossed transmittance (Tc) at a wavelength of 440 nm according to the following formula:

dichroic ratio = $\{\log_{10}(1/k_2)\} / \{\log_{10}(1/k_1)\}$, where

$k_1 = 1/2 \cdot \sqrt{2 \times [(Tp + Tc)^{1/2} + (Tp - Tc)^{1/2}]}$ and

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$$k_2 = \frac{1}{2} \cdot \sqrt{2 \times [(T_p + T_c)^{1/2} - (T_p - T_c)^{1/2}]},$$

and, an iodine content is of 1.5 to 2.5% by weight and a potassium content is of 0.2 to 0.6% by weight.

4. (Cancelled).

5. (Cancelled).

6. (Previously Presented): The method of manufacturing polarizer according to Claim 3, further comprising the step of drying the film at a temperature of 70°C or lower after the step of washing with the aqueous iodide solution.

7. (Previously Presented): The method of manufacturing polarizer according to Claim 3, wherein the iodide is potassium iodide.

8. (Currently Amended): The method of manufacturing polarizer according to Claim 3, wherein the iodine dyeing step is performed together with [[the]] a stretching [[step]] pre-step.

9. (Cancelled).

10. (Cancelled).

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11. (Cancelled).

12. (Cancelled).

13. (Cancelled).

14. (Cancelled).

15. (Cancelled).

16. (Cancelled).

17. (Cancelled).

18. (Cancelled).

19. (Cancelled).